

**The GLM Procedure**

Class Level Information		
Class	Levels	Values
Week	5	Week0 week1 week2 week3 week4
Industry	6	AutoMobi Entertai Gold IT RealEsta Tourism

Number of Observations Read	55
Number of Observations Used	55

## The GLM Procedure

### Dependent Variable: ProductiveHours

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	29	11305.40909	389.84169	9.65	<.0001
Error	25	1009.50000	40.38000		
Corrected Total	54	12314.90909			

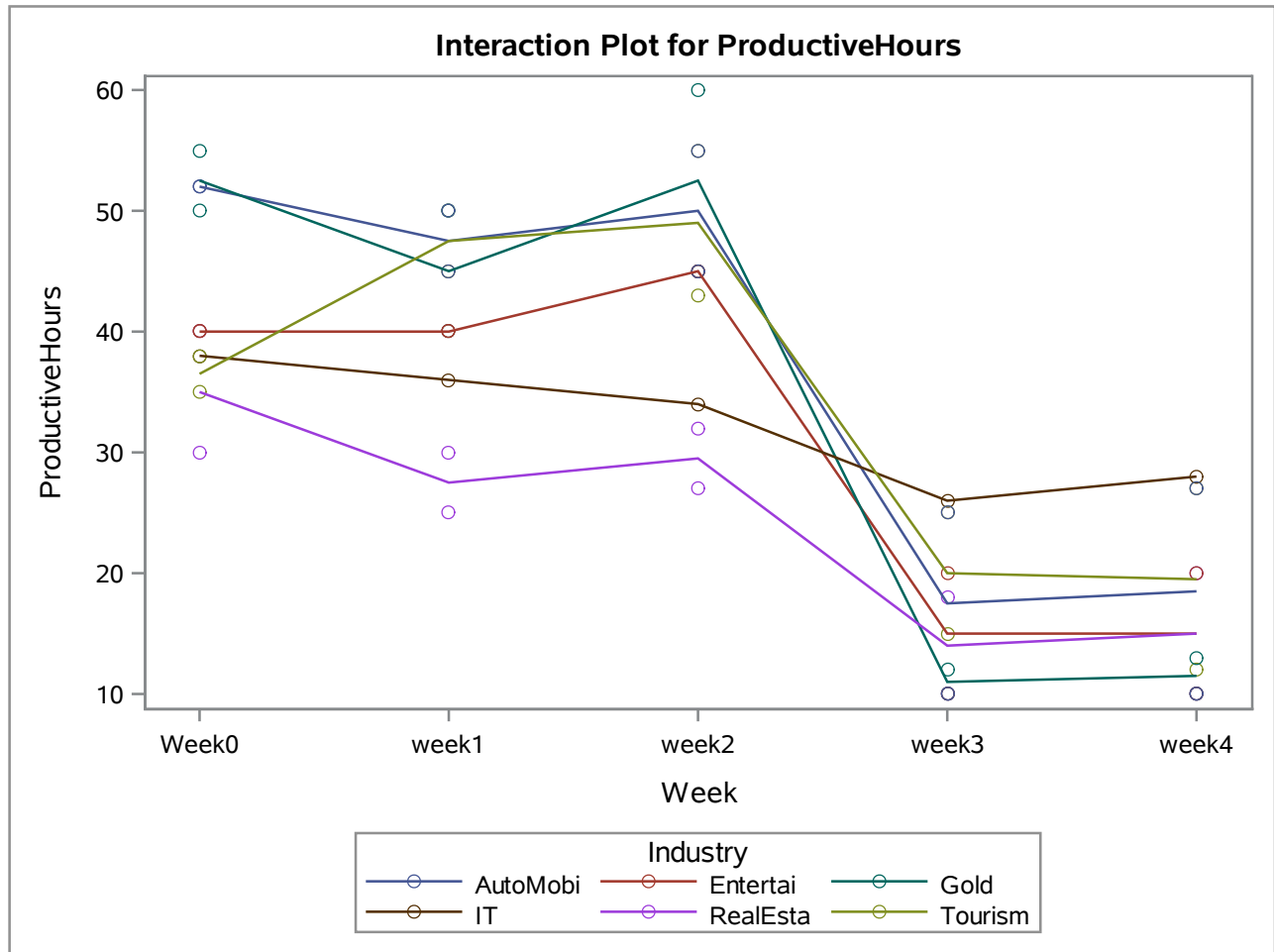
R-Square	Coeff Var	Root MSE	ProductiveHours Mean
0.918026	19.69008	6.354526	32.27273

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Week	4	8918.363636	2229.590909	55.22	<.0001
Industry	5	1000.209091	200.041818	4.95	0.0027
Week*Industry	20	1386.836364	69.341818	1.72	0.1001

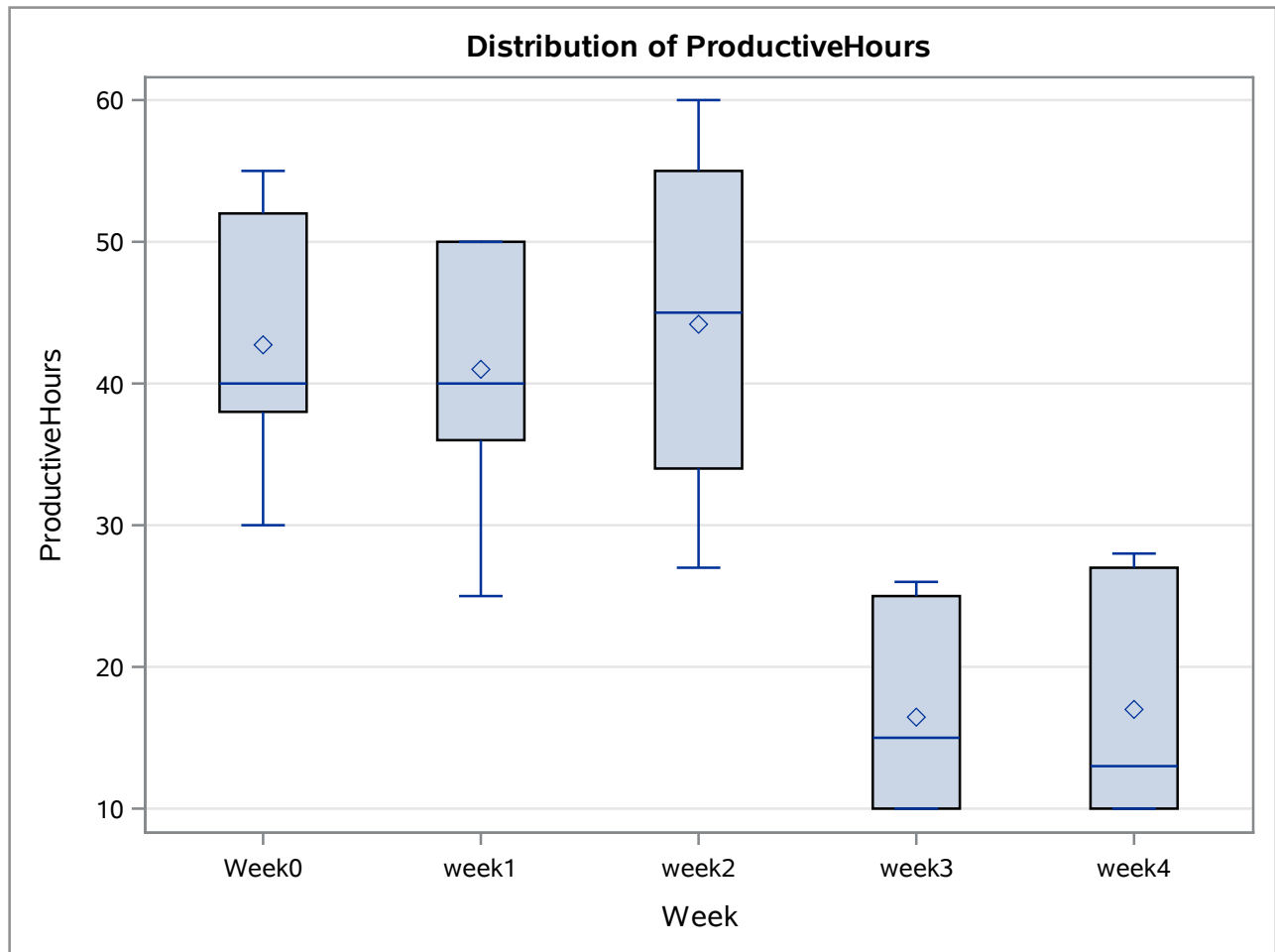
Source	DF	Type III SS	Mean Square	F Value	Pr > F
Week	4	7450.942857	1862.735714	46.13	<.0001
Industry	5	1000.209091	200.041818	4.95	0.0027
Week*Industry	20	1386.836364	69.341818	1.72	0.1001

## The GLM Procedure

Dependent Variable: ProductiveHours



## The GLM Procedure



## The GLM Procedure

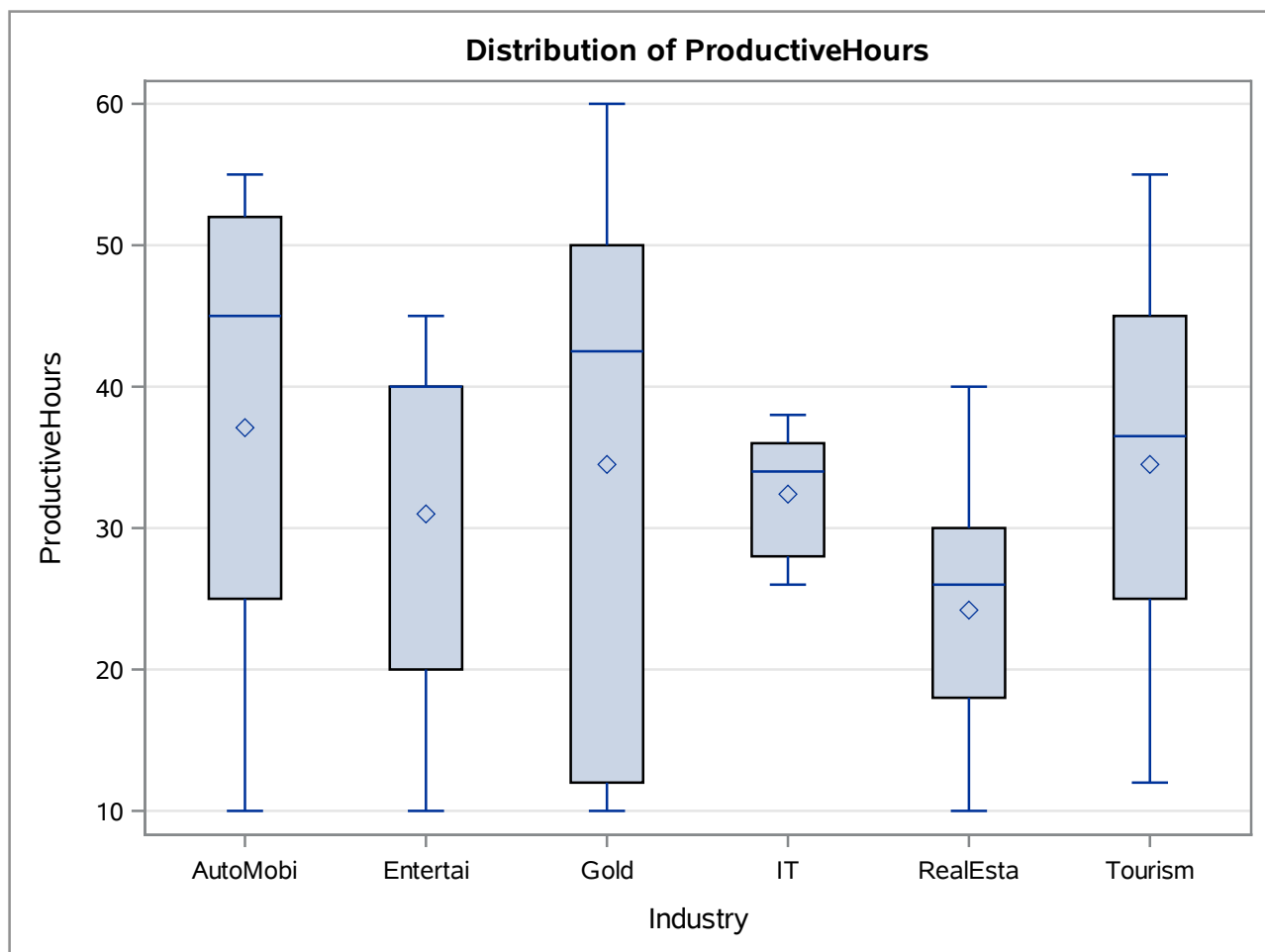
### Tukey's Studentized Range (HSD) Test for ProductiveHours

**Note:** This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than REGWQ.

<b>Alpha</b>	0.05
<b>Error Degrees of Freedom</b>	25
<b>Error Mean Square</b>	40.38
<b>Critical Value of Studentized Range</b>	4.15336
<b>Minimum Significant Difference</b>	7.9577

Means with the same letter are not significantly different.			
Tukey Grouping	Mean	N	Week
A	44.182	11	week2
A			
A	42.727	11	Week0
A			
A	41.000	11	week1
B	17.000	11	week4
B			
B	16.455	11	week3

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### Tukey's Studentized Range (HSD) Test for ProductiveHours

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	25
Error Mean Square	40.38
Critical Value of Studentized Range	4.35830

Comparisons significant at the 0.05 level are indicated by ***.				
Industry Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
AutoMobi - Tourism	2.600	-6.158	11.358	
AutoMobi - Gold	2.600	-6.158	11.358	
AutoMobi - IT	4.700	-6.026	15.426	
AutoMobi - Entertai	6.100	-2.658	14.858	
AutoMobi - RealEsta	12.900	4.142	21.658	***
Tourism - AutoMobi	-2.600	-11.358	6.158	
Tourism - Gold	0.000	-8.758	8.758	
Tourism - IT	2.100	-8.626	12.826	
Tourism - Entertai	3.500	-5.258	12.258	
Tourism - RealEsta	10.300	1.542	19.058	***
Gold - AutoMobi	-2.600	-11.358	6.158	
Gold - Tourism	0.000	-8.758	8.758	
Gold - IT	2.100	-8.626	12.826	
Gold - Entertai	3.500	-5.258	12.258	
Gold - RealEsta	10.300	1.542	19.058	***
IT - AutoMobi	-4.700	-15.426	6.026	
IT - Tourism	-2.100	-12.826	8.626	
IT - Gold	-2.100	-12.826	8.626	
IT - Entertai	1.400	-9.326	12.126	
IT - RealEsta	8.200	-2.526	18.926	
Entertai - AutoMobi	-6.100	-14.858	2.658	
Entertai - Tourism	-3.500	-12.258	5.258	
Entertai - Gold	-3.500	-12.258	5.258	
Entertai - IT	-1.400	-12.126	9.326	
Entertai - RealEsta	6.800	-1.958	15.558	
RealEsta - AutoMobi	-12.900	-21.658	-4.142	***

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### Tukey's Studentized Range (HSD) Test for ProductiveHours

Comparisons significant at the 0.05 level are indicated by ***.				
Industry Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
RealEsta - Tourism	-10.300	-19.058	-1.542	***
RealEsta - Gold	-10.300	-19.058	-1.542	***
RealEsta - IT	-8.200	-18.926	2.526	
RealEsta - Entertai	-6.800	-15.558	1.958	